

ABSTRACT

A system for tracking changes in technical processes, machines or the like having measurement chains for acquiring measured data, having sensors, sensor lines and interpretation electronics, and having governing software. Interdependent measured quantities are combined into measurement groups, the measurement groups are linked with reference quantities, validity conditions are defined for the measured data, and the measured data is utilized only if the validity conditions are fulfilled. The measured data are examined for errors in the instrumentation. For serious, suddenly occurring malfunctions, an alarm is issued, and malfunctions are reported to the operators.